BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images, please do not report the images to the Image Problems Mailbox.

FIG. 1

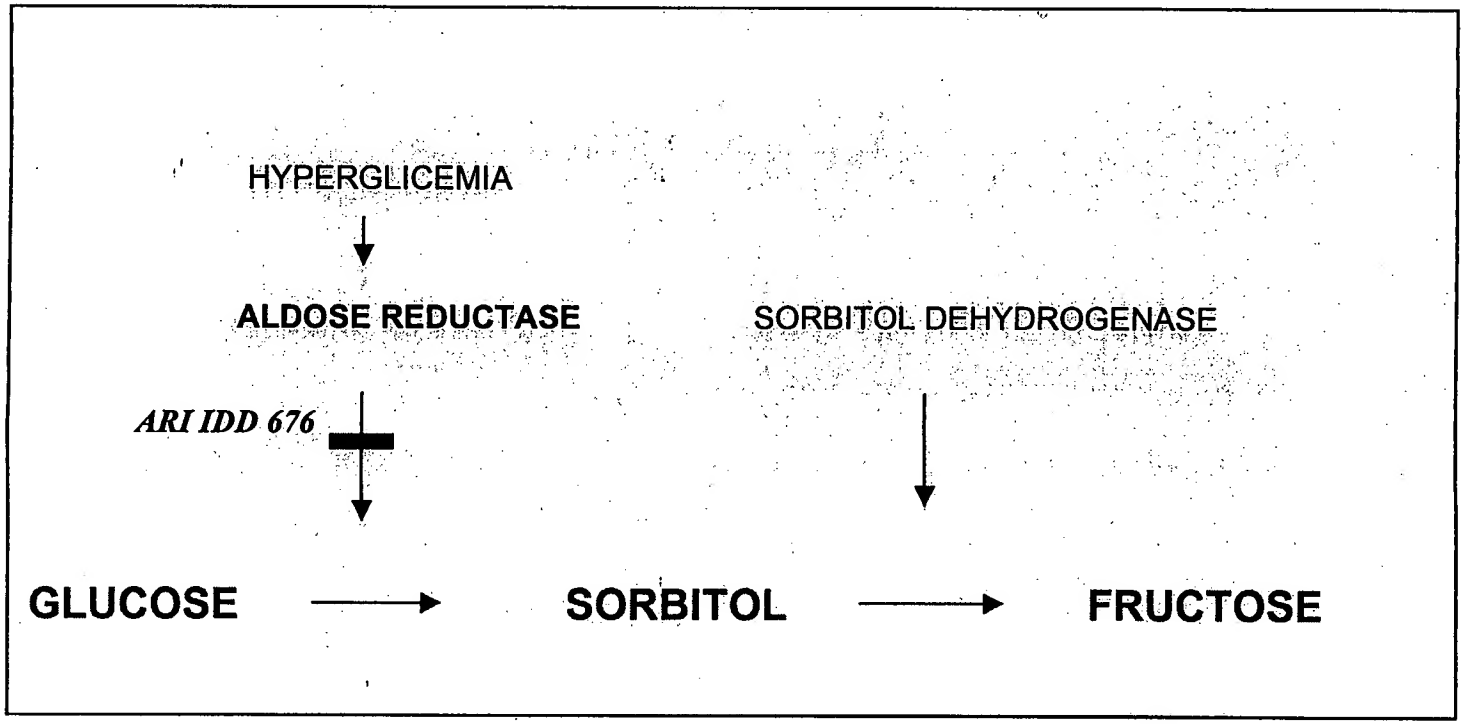

HYPERGLICEMIA
ALDOSE REDUCTASE
SORBITOL DEHYDROGENASE
ARI IDD 676
GLUCOSE
SORBITOL
FRUCTOSE

FIG. 2

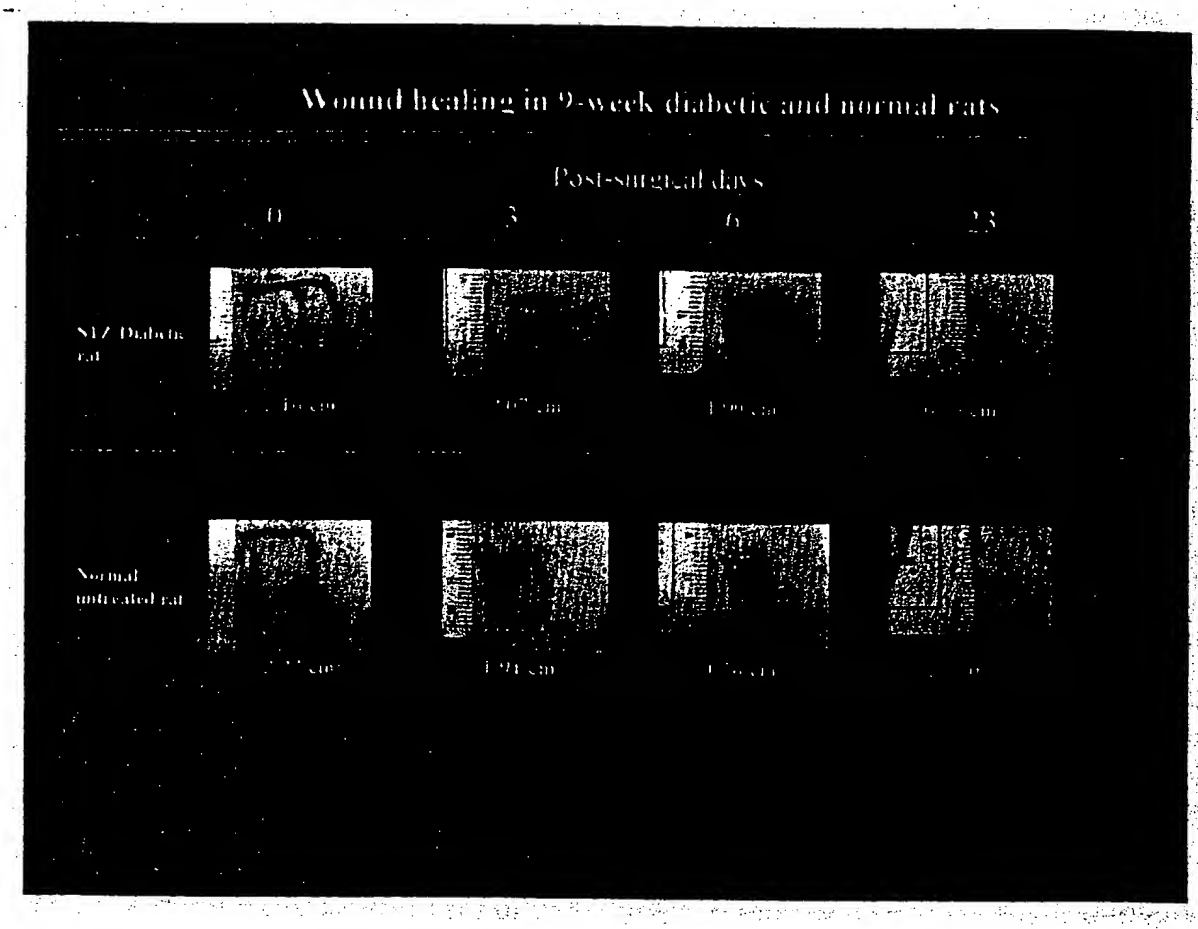
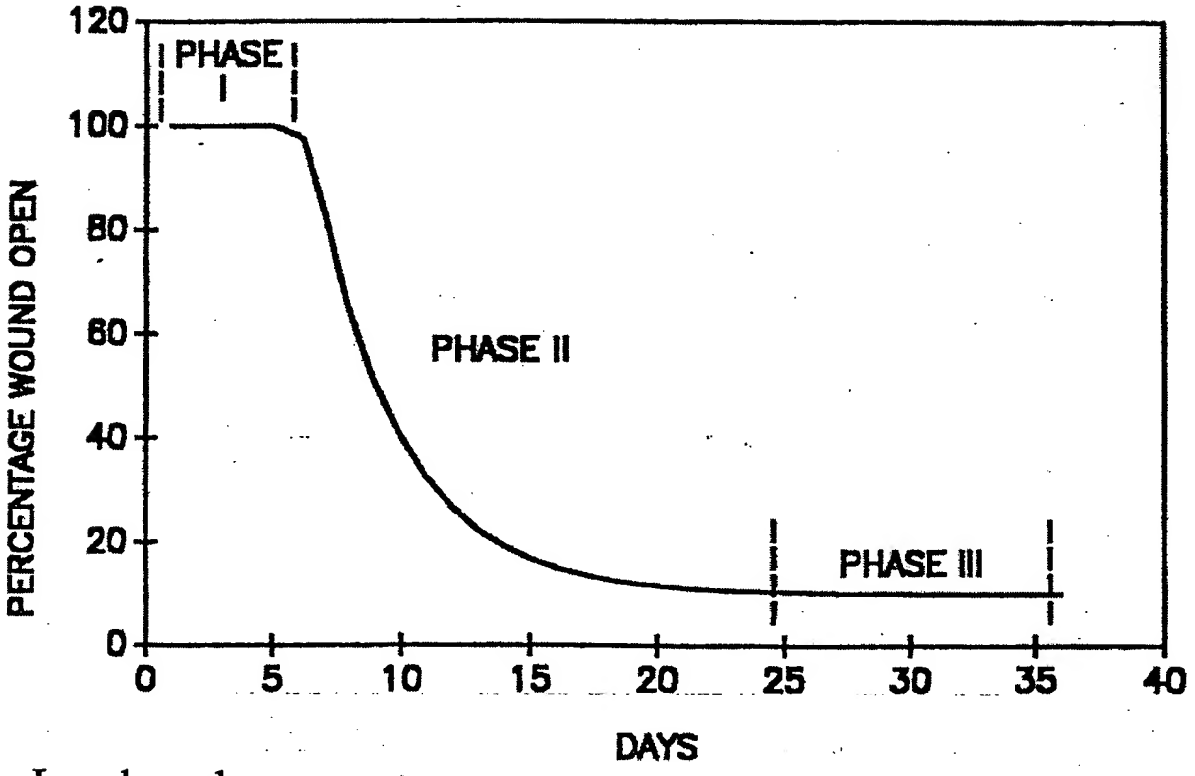

Wound healing in 9-week diabetic and normal rats
Post-surgical days
0
3
6
28
STZ Diabetic rat
Normal untreated rat

FIG. 3

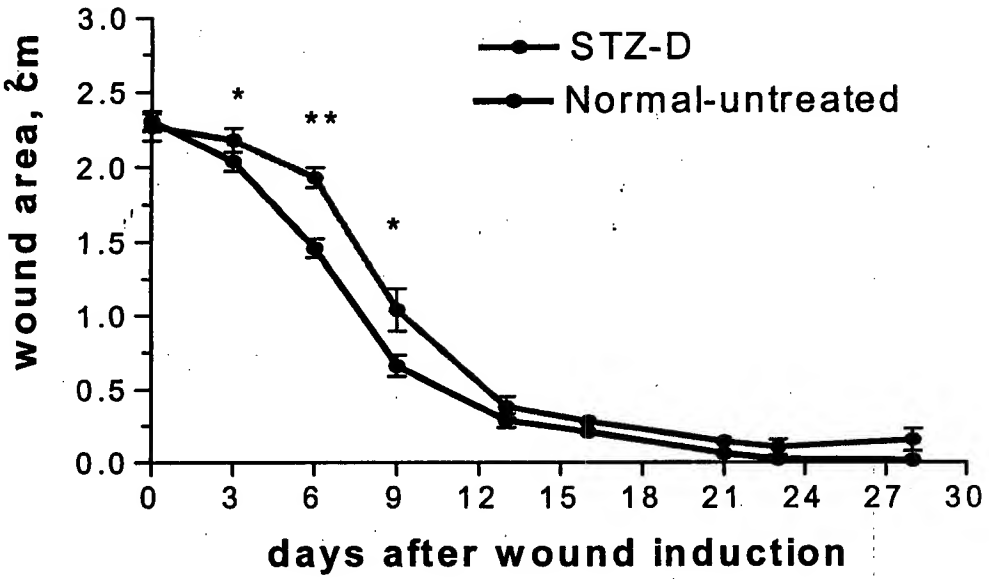


I lag phase

II rapid wound contraction phase

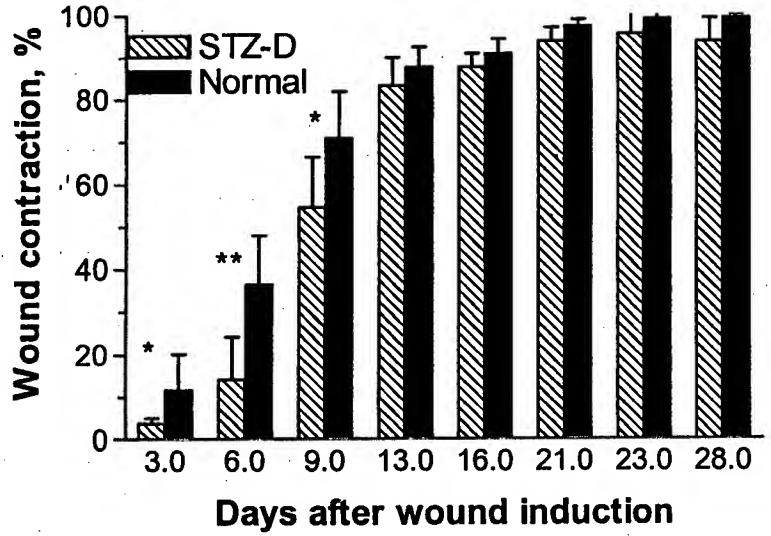
III plateau phase

FIG. 4A



Single and double asterisks signify that the STZ-Diabetic group (n=5) differed from the normal-untreated group (n=10) with a $P < 0.05$ and $P < 0.005$ by Mann Whitney test (T-test), respectively.

FIG. 4B



Single and double asterisks signify that the STZ-Diabetic group (n=5) differed from the normal-untreated group (n=10) with a $P < 0.05$ and $P < 0.005$ by Mann Whitney test (T-test), respectively.

FIG. 5

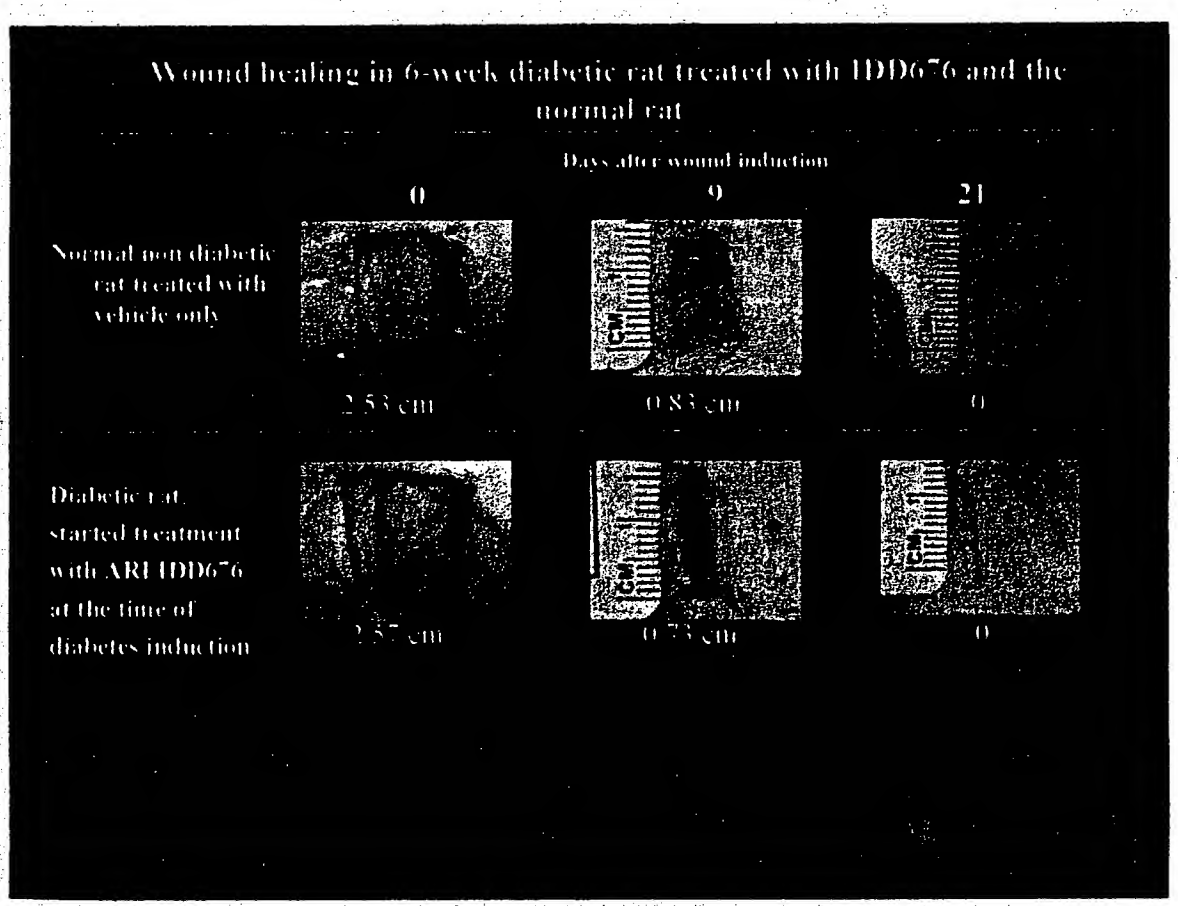
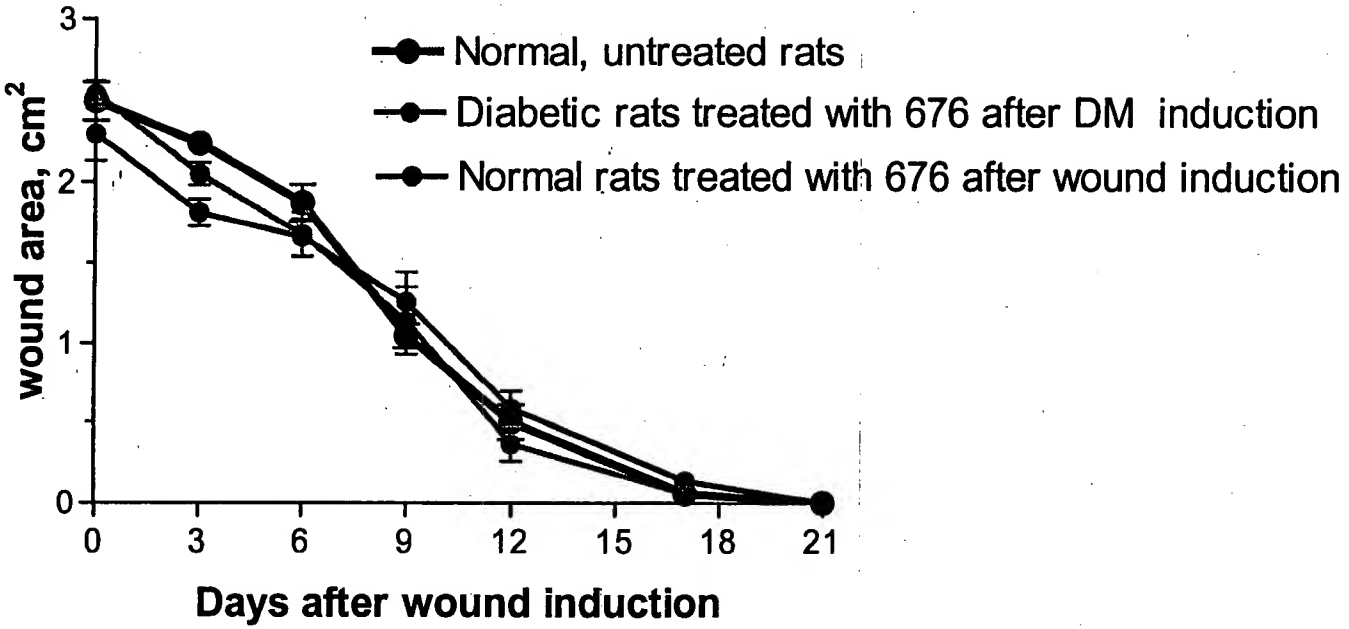
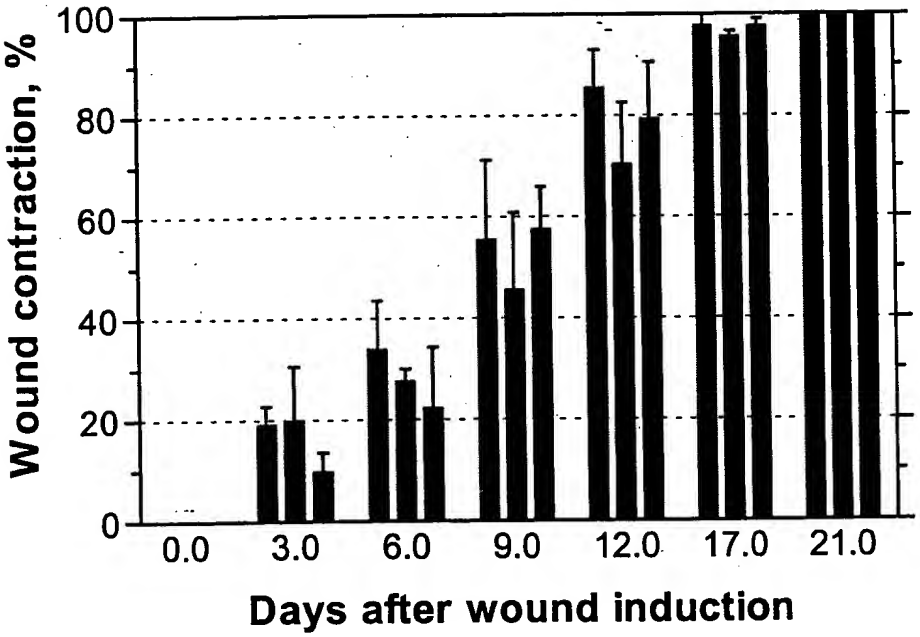

Wound healing in 6-week diabetic rat treated with HDD676 and the normal rat
Days after wound induction
0
9
21
Normal non diabetic rat treated with vehicle only
2.53 cm
0.83 cm
0
Diabetic rat started treatment with ARI HDD676 at the time of diabetes induction
2.57 cm
0.73 cm
0

FIG. 6A



n=5, Kruskal-wallis test p>0.05

FIG. 6B



n=5, Kruskal-wallis test p>0.05

Normal, untreated

Diabetic, treated with 676 after DM induction

Normal, treated with 676 after wound induction

FIG. 7

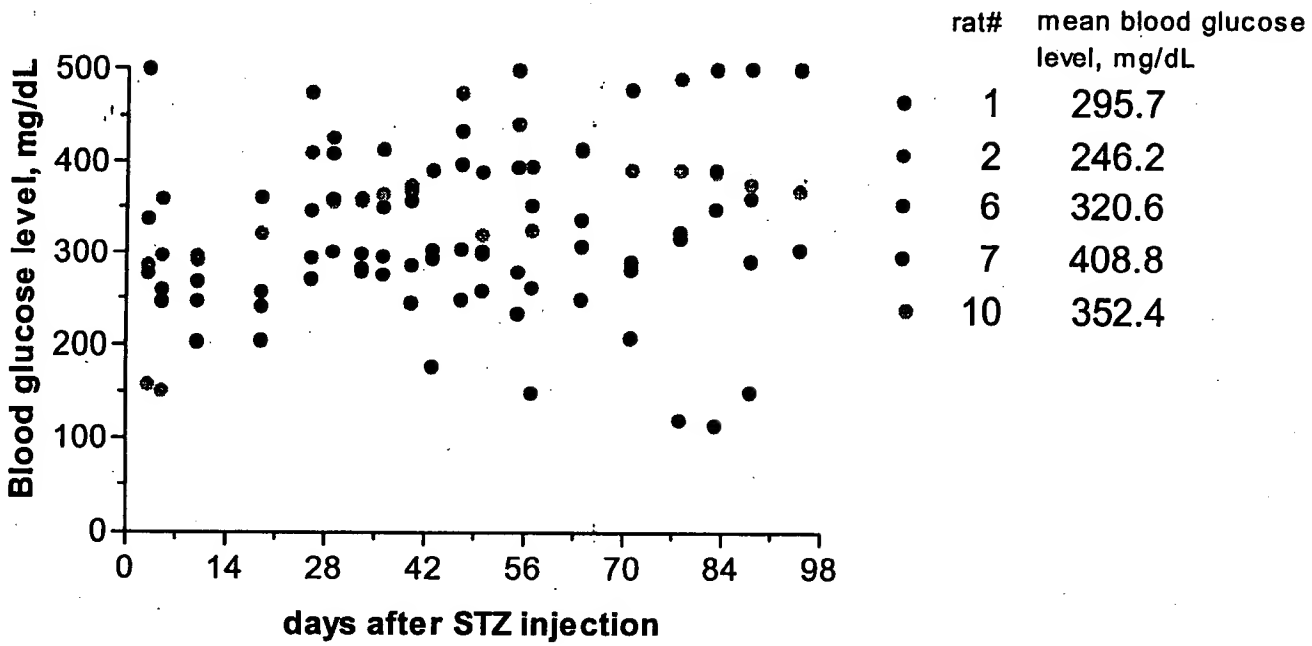

Blood glucose level, mg/dL
500
400
300
200
100
0
0
14
28
42
56
70
84
98
days after STZ injection
rat#
mean blood glucose level, mg/dL
1
295.7
2
246.2
6
320.6
7
408.8
10
352.4

FIG. 8

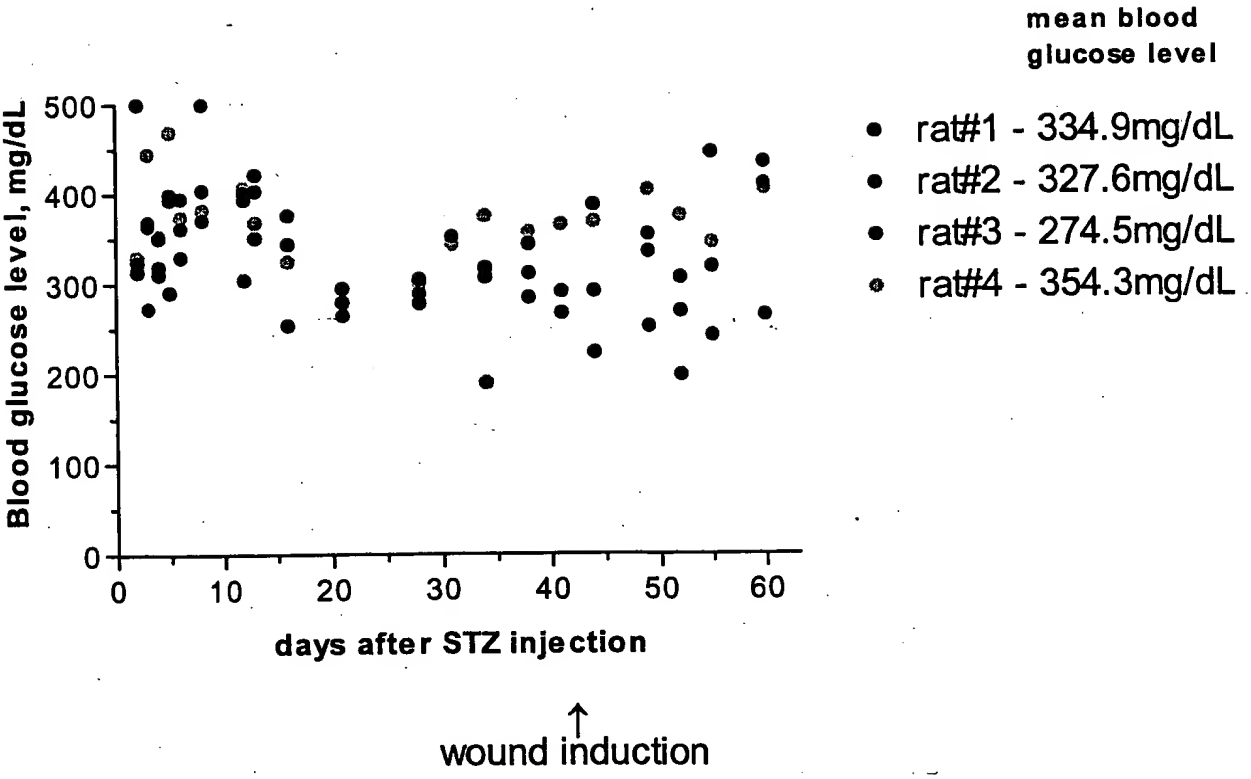

mean blood glucose level
rat#1 - 334.9mg/dL
rat#2 - 327.6mg/dL
rat#3 - 274.5mg/dL
rat#4 - 354.3mg/dL
Blood glucose level, mg/dL
0
100
200
300
400
500
0
10
20
30
40
50
60
days after STZ injection
wound induction

FIG. 9

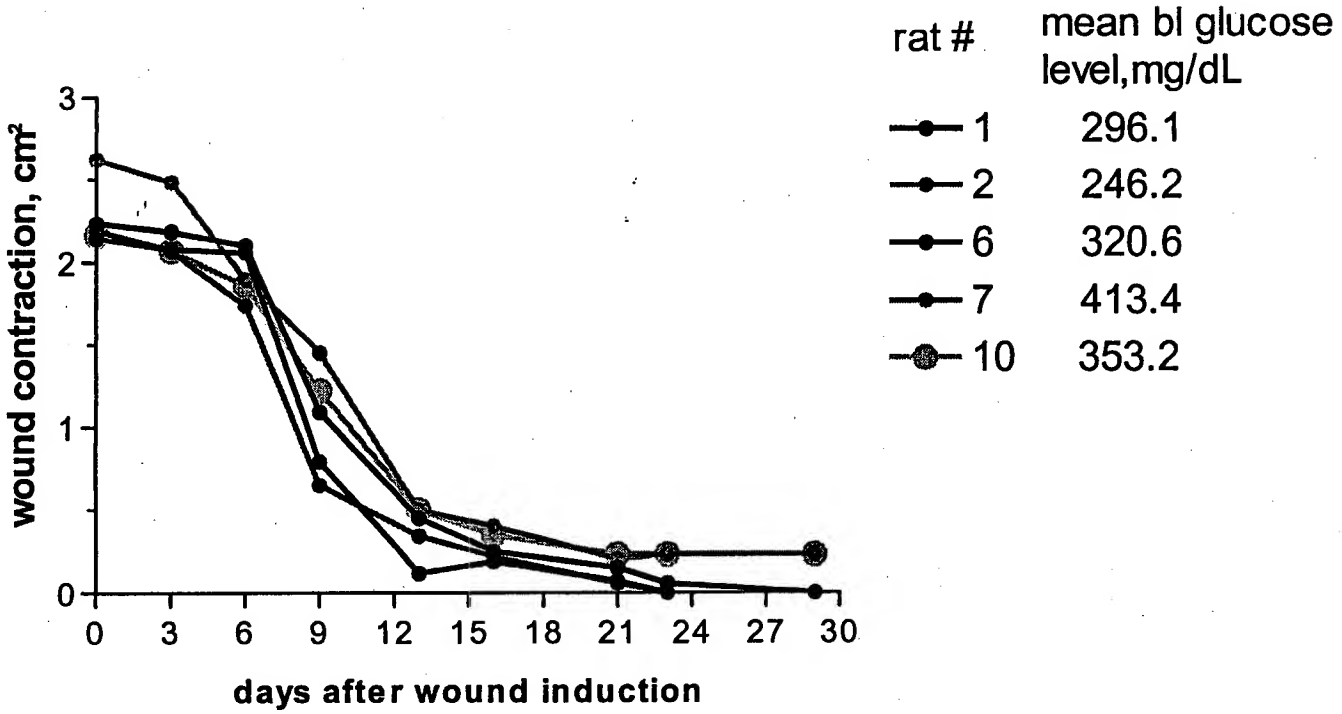

wound contraction, cm²
0
1
2
3
0 3 6 9 12 15 18 21 24 27 30
days after wound induction
rat #
mean bl glucose level,mg/dL
1 296.1
2 246.2
6 320.6
7 413.4
10 353.2

FIG. 10A

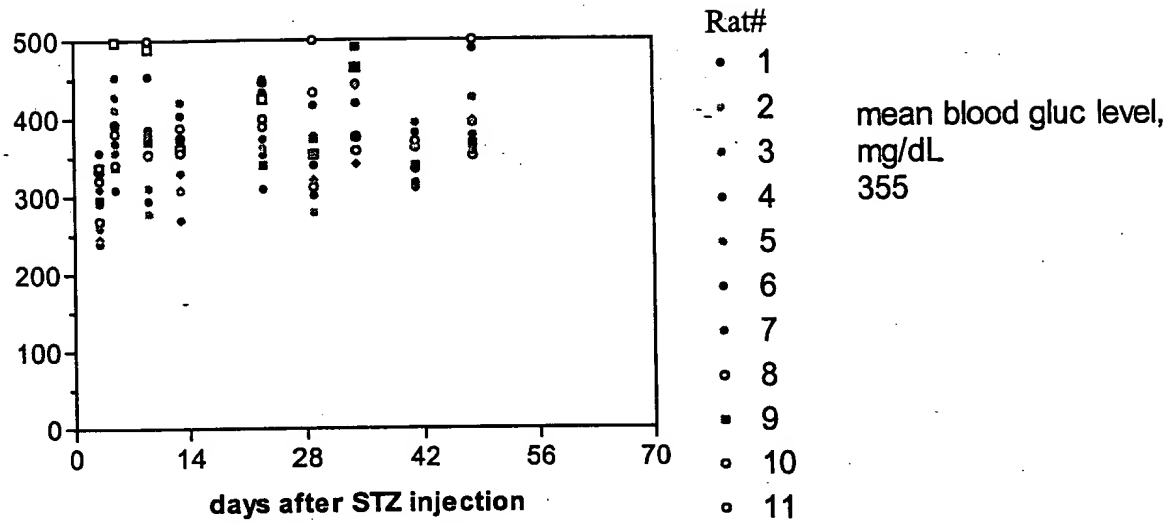


FIG. 10B